MISSOURI BOTANICAL GARDEN
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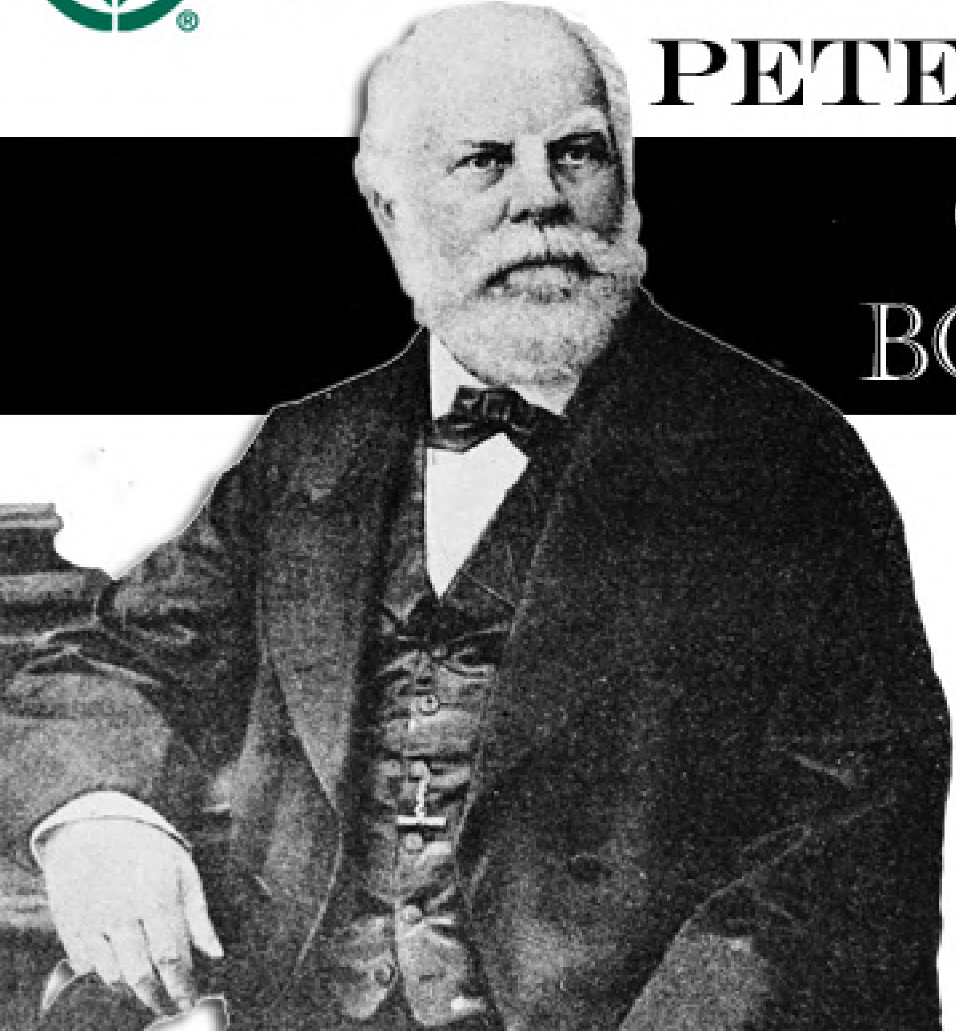
GEORGE ENGELMANN BOTANICAL NOTEBOOKS

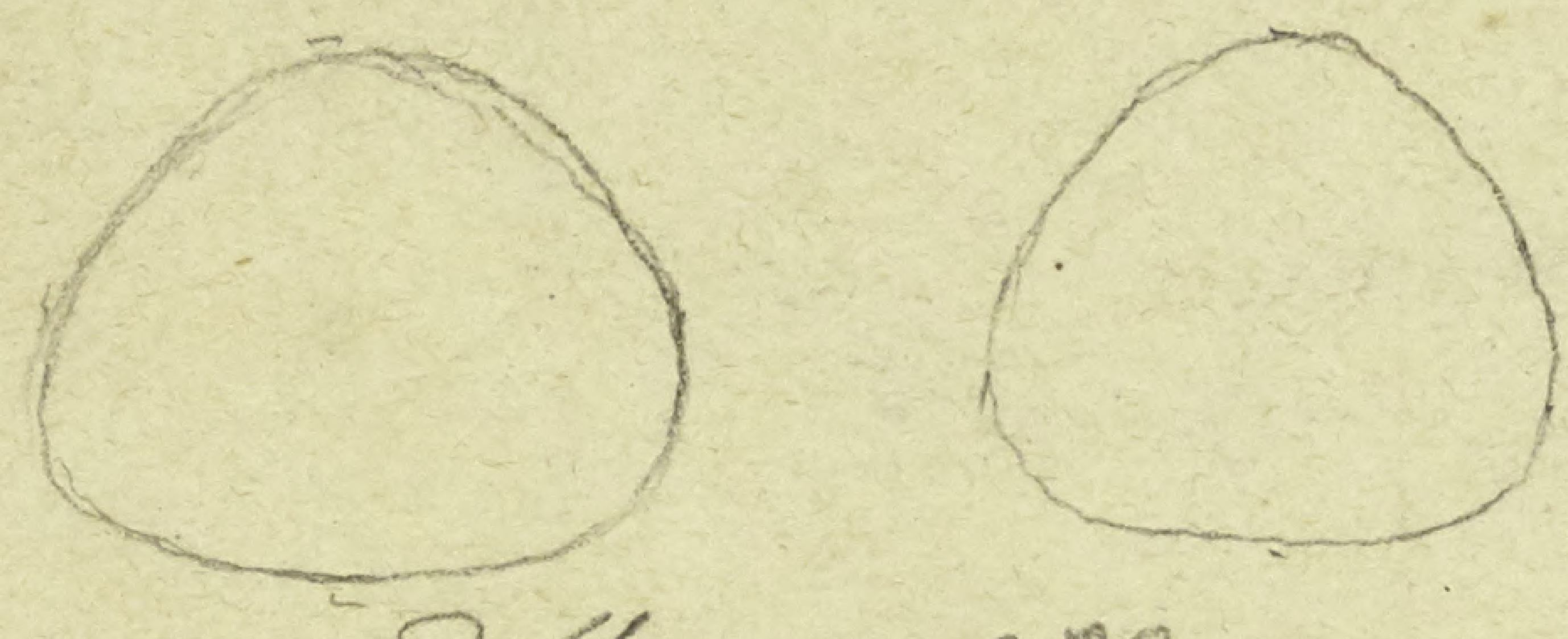


Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Quercus agrifolia
march 1st 1874
San Francisco

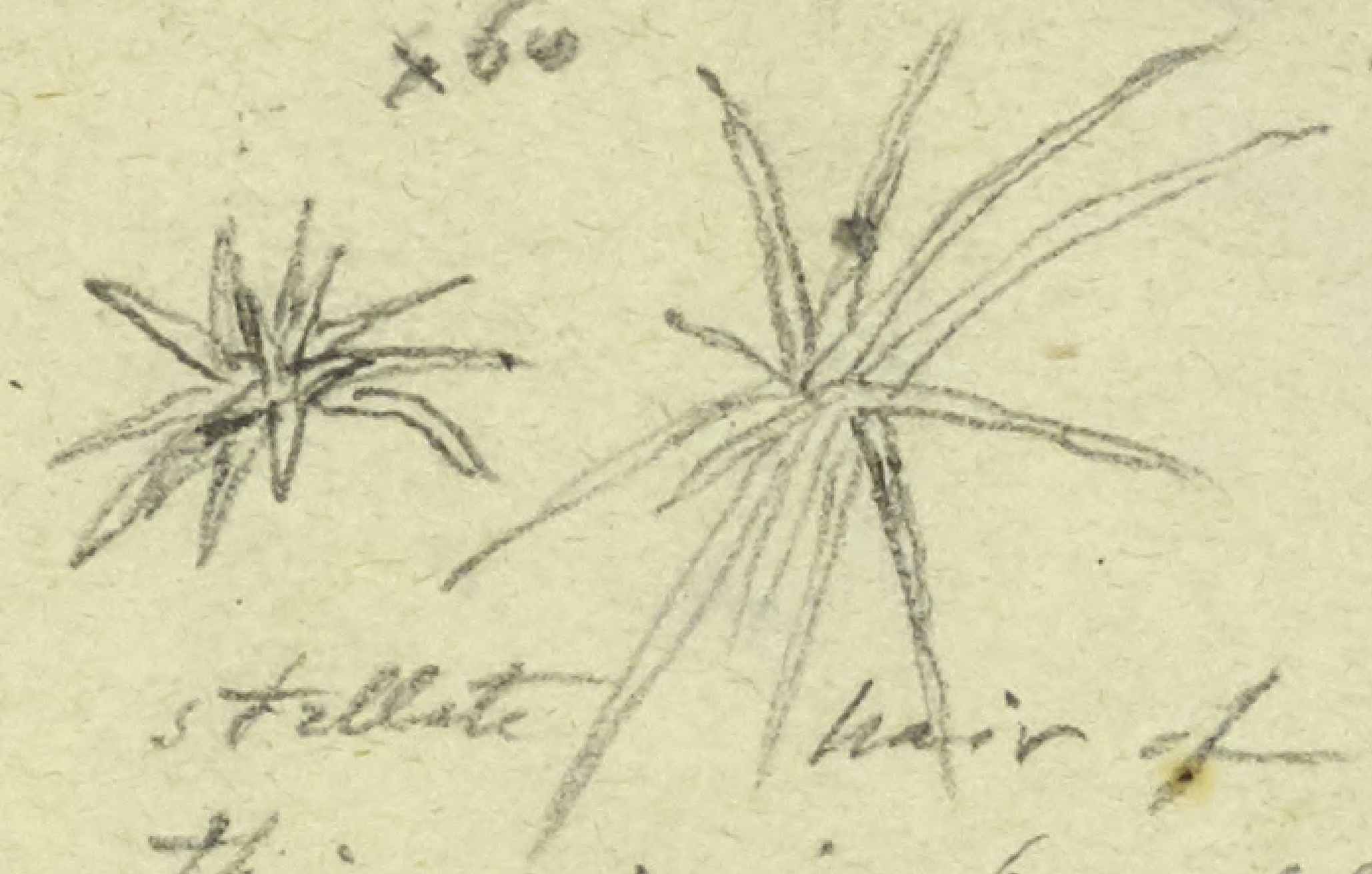
March 15 1874 ~~E L Greene~~ , fresh
male aments in the axils of the deciduous scales (Niederblätter) and of the lower leaves
female fl., oft 2–4, sessile in higher leaf axils

x 415



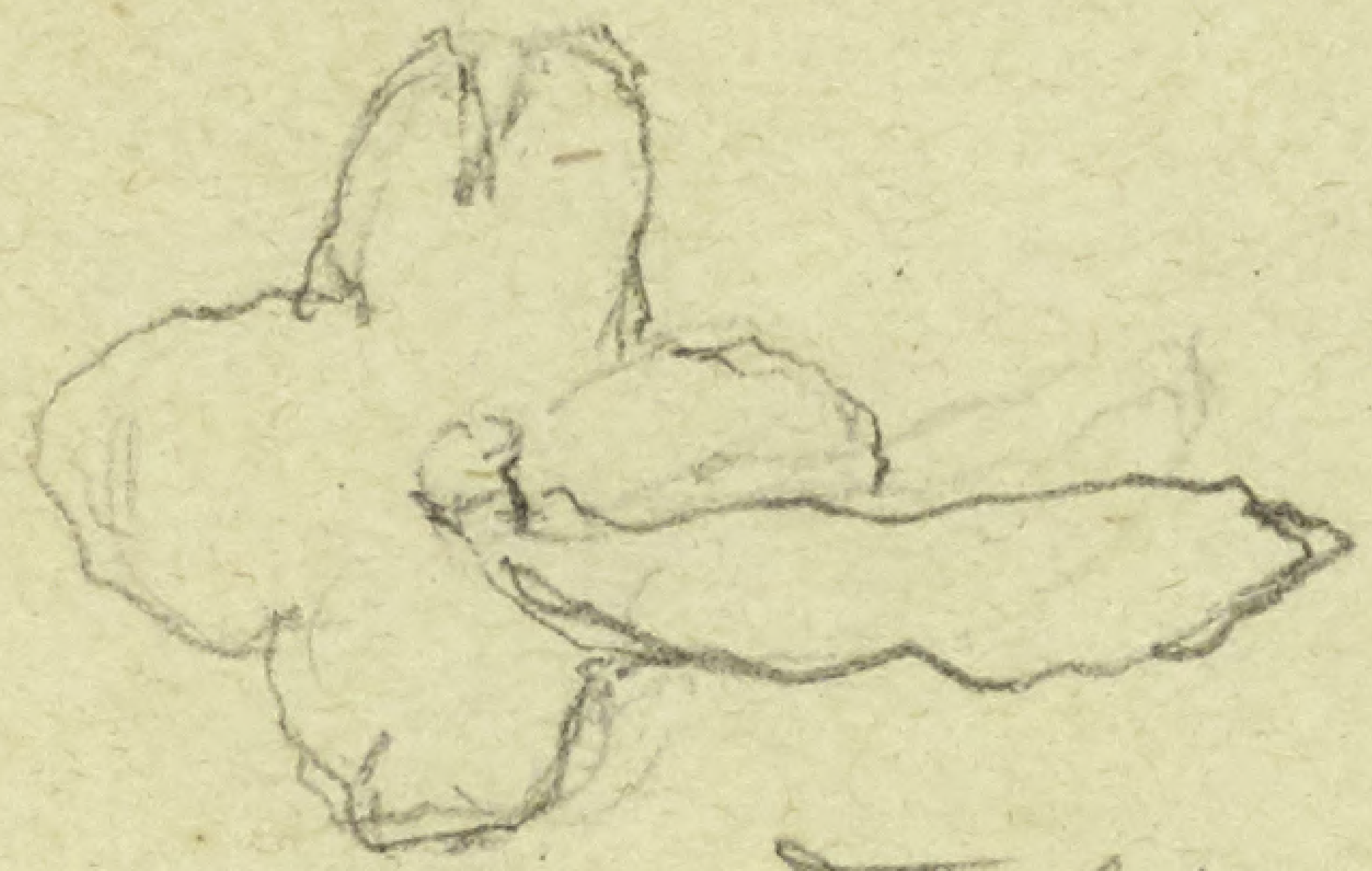
Pollen x 280

x 60



stellate hair of this spring's branchlets

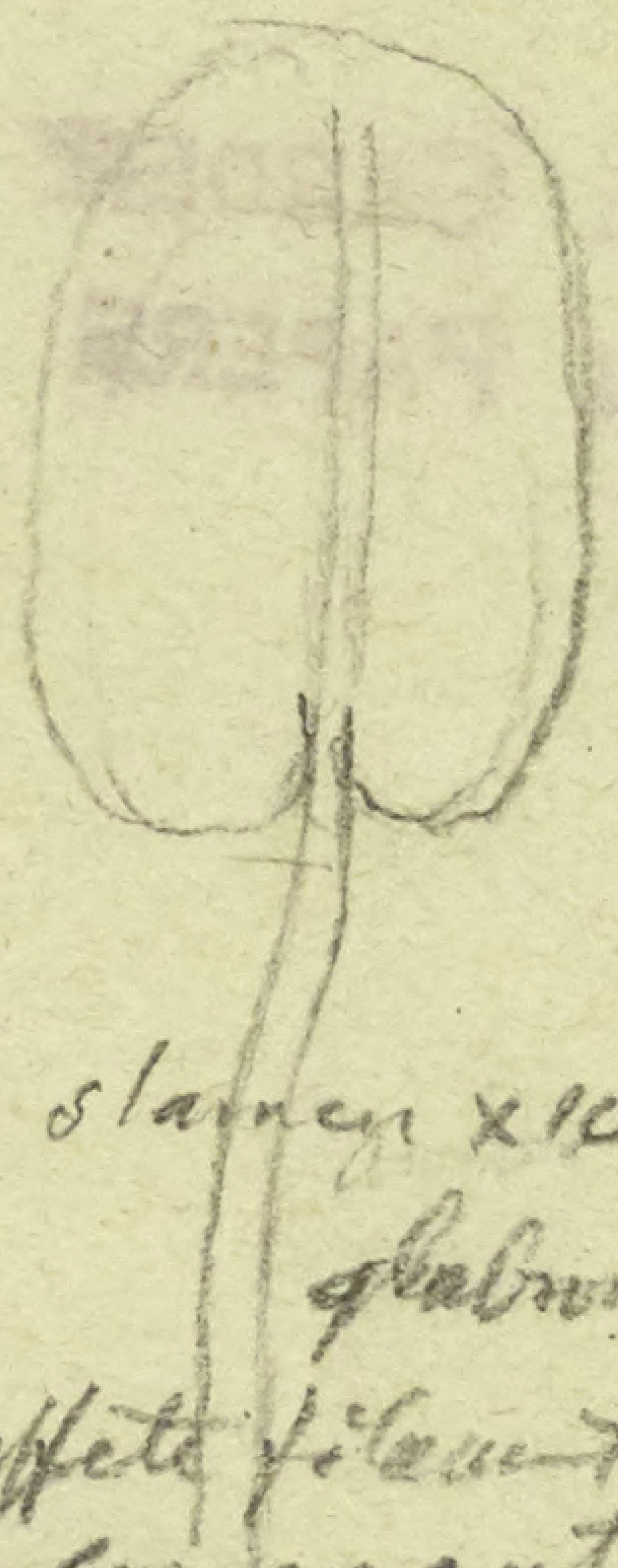
bract often deciduous



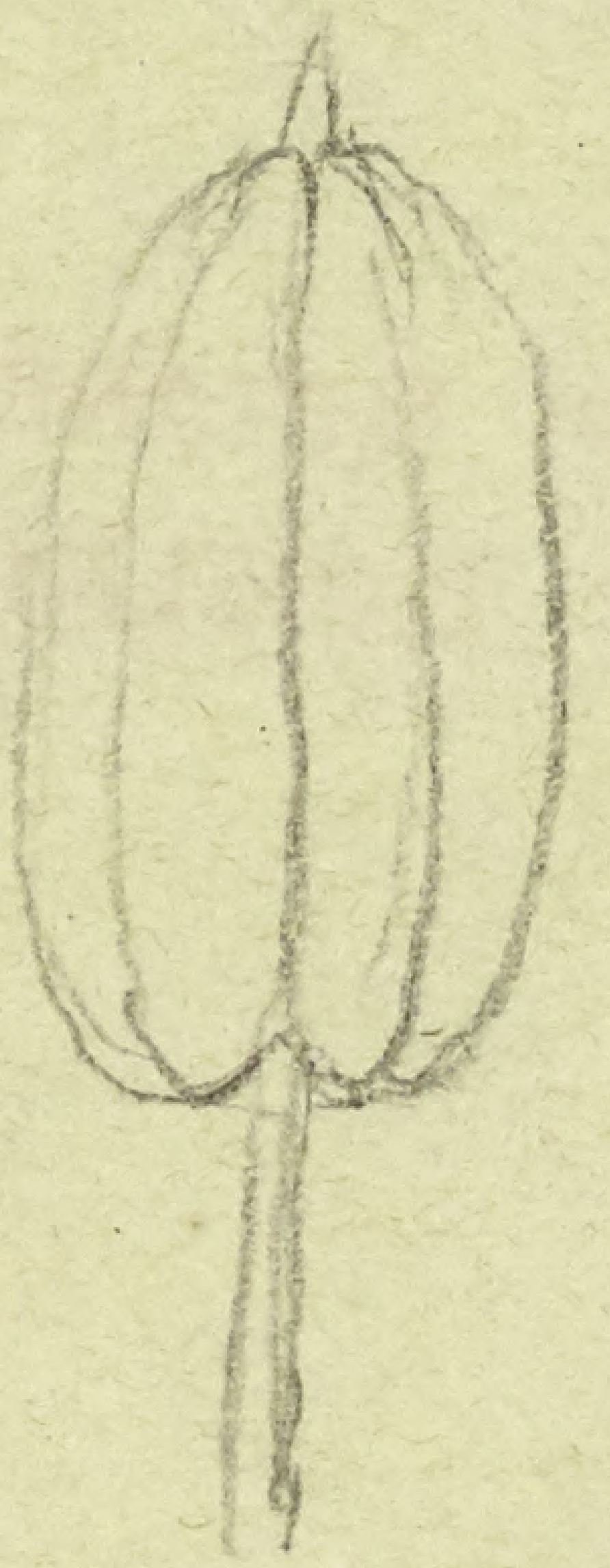
x 4

scarious bract and 4 lobed glabrous calyx, outside

8 stamens or less sometimes 10 stamens.
lobes irregular slit



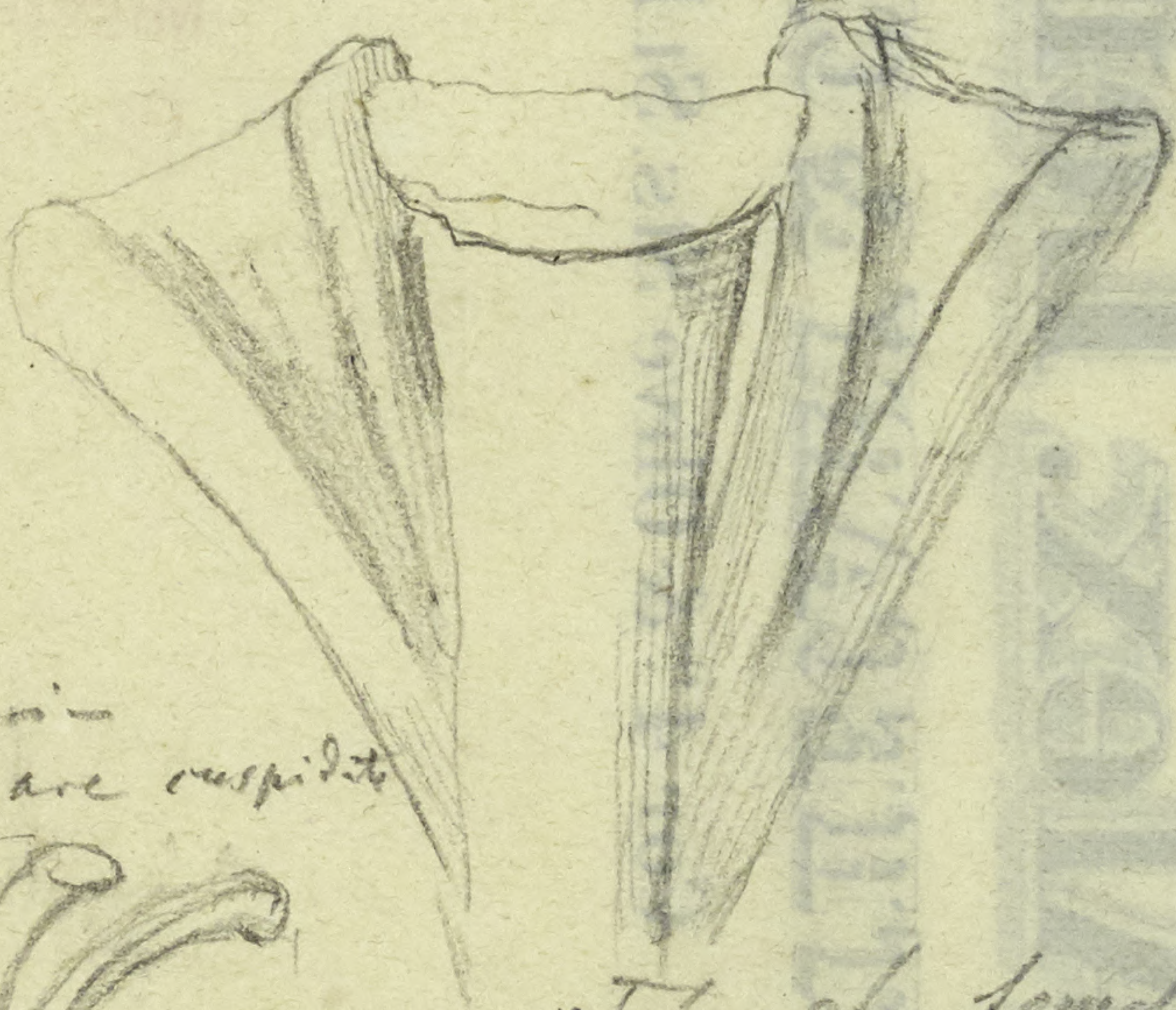
stamen x 10
glabrous
effete filament as long as anthers



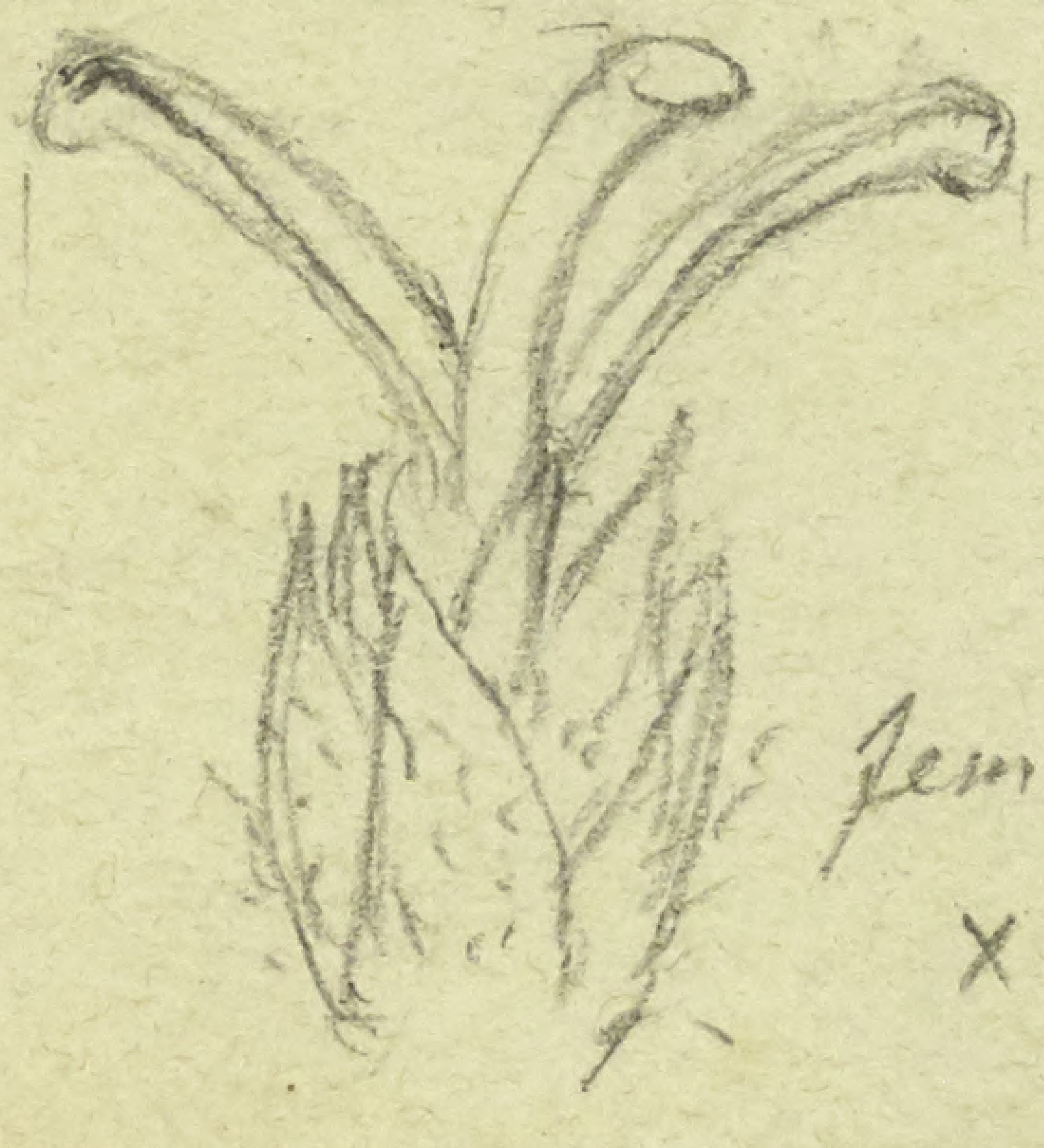
in one specim. the anthers are cuspidate

flower glabrous, axis stellate-hairy
or rarely calyx a little hairy

folia anni prioris post anthesin decidua



styles of female bud
x 30



fem. flower
x 10

6085

Alex. Leitch,
APOTHECARY & CHEMIST,
Cor 4th & Olive Sts. St. Louis.

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MISSOURI
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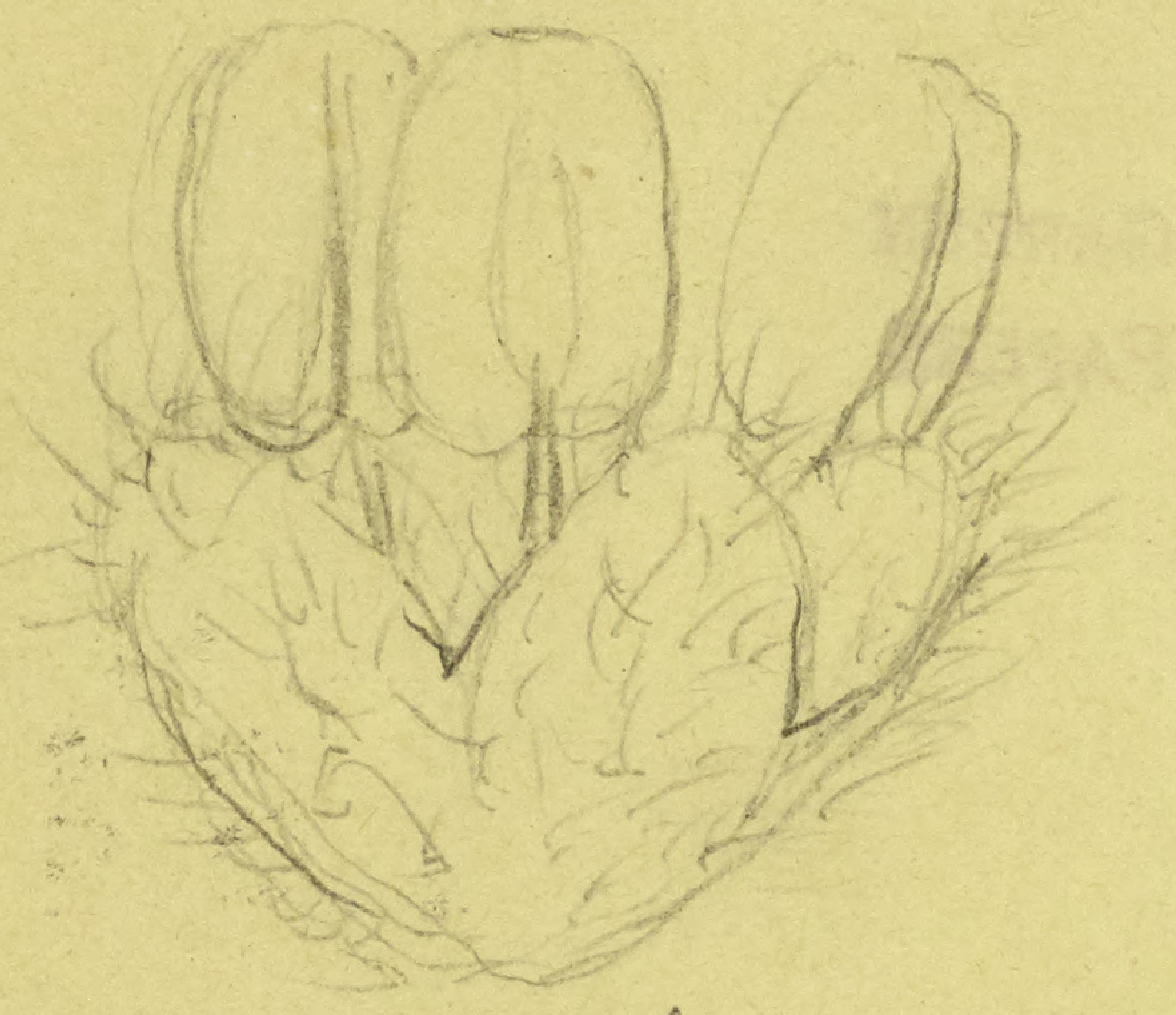
GARDEN

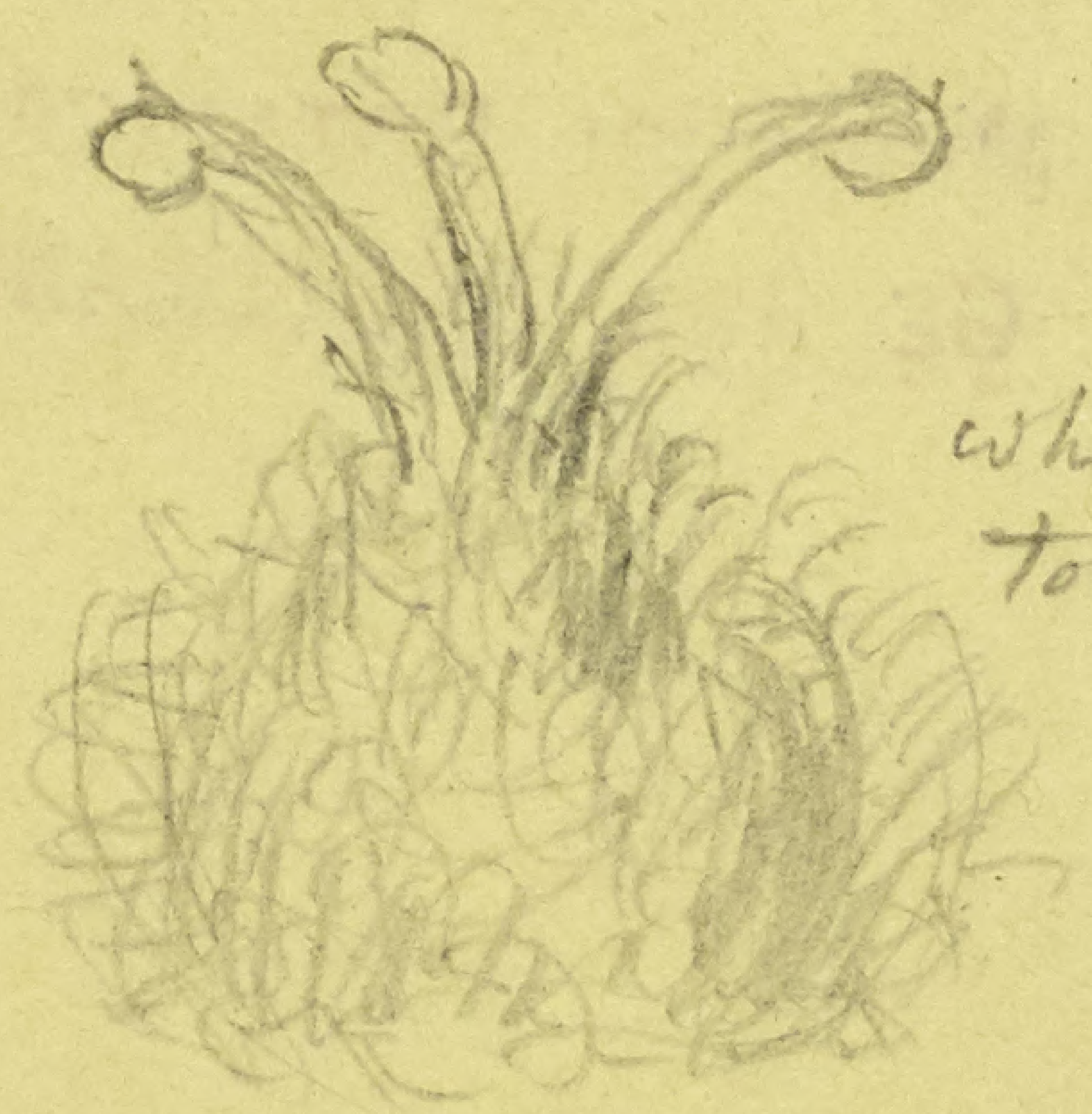
"Q. Emoryi Torr." Bor. Sur. (!) Jan 19 1876
Sonora, Capt E K Smith in Hb Torrey

x10

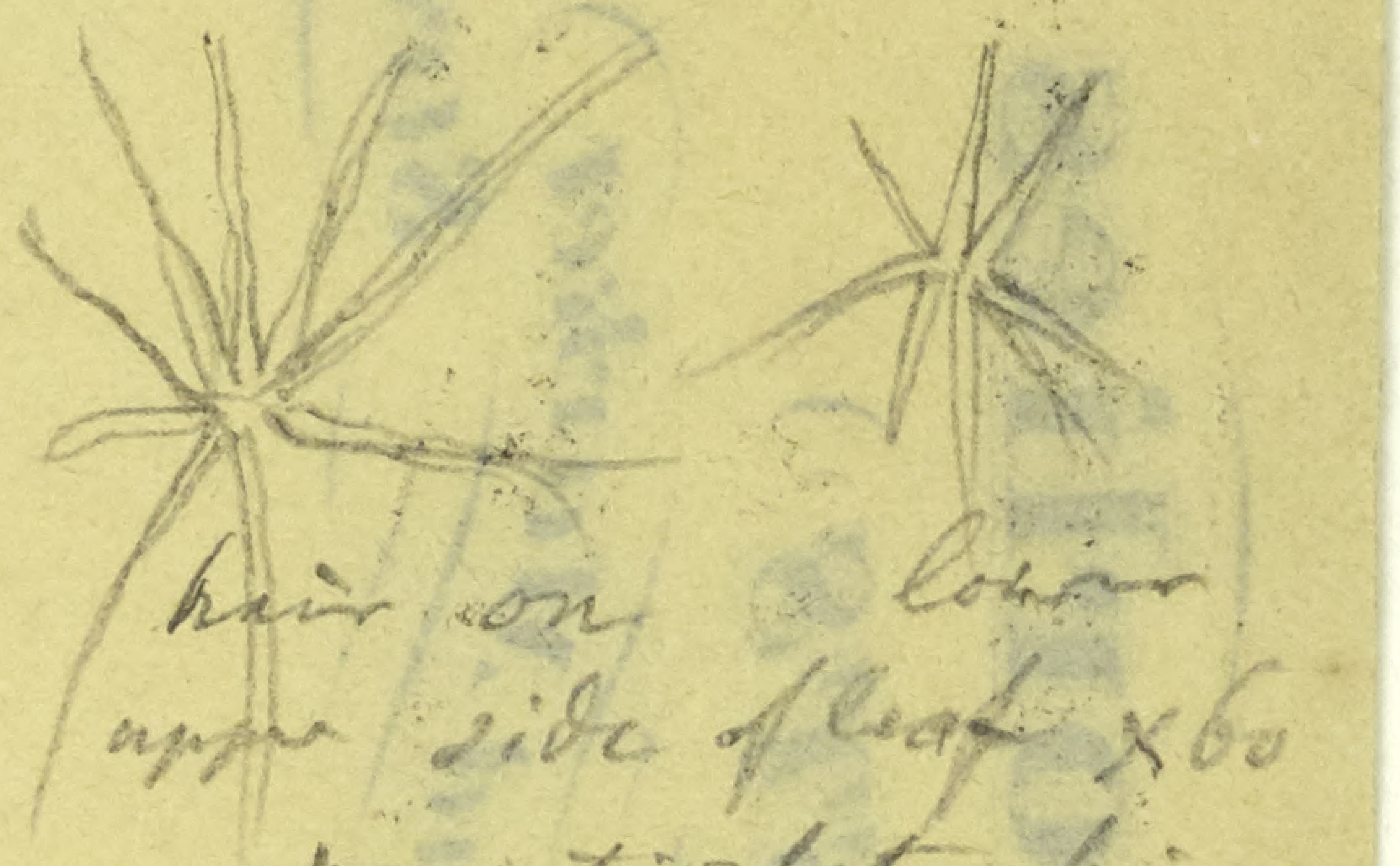


1-3 stamens
filaments as long as the
5 lobed hairy calyx
anthers only exsert - large

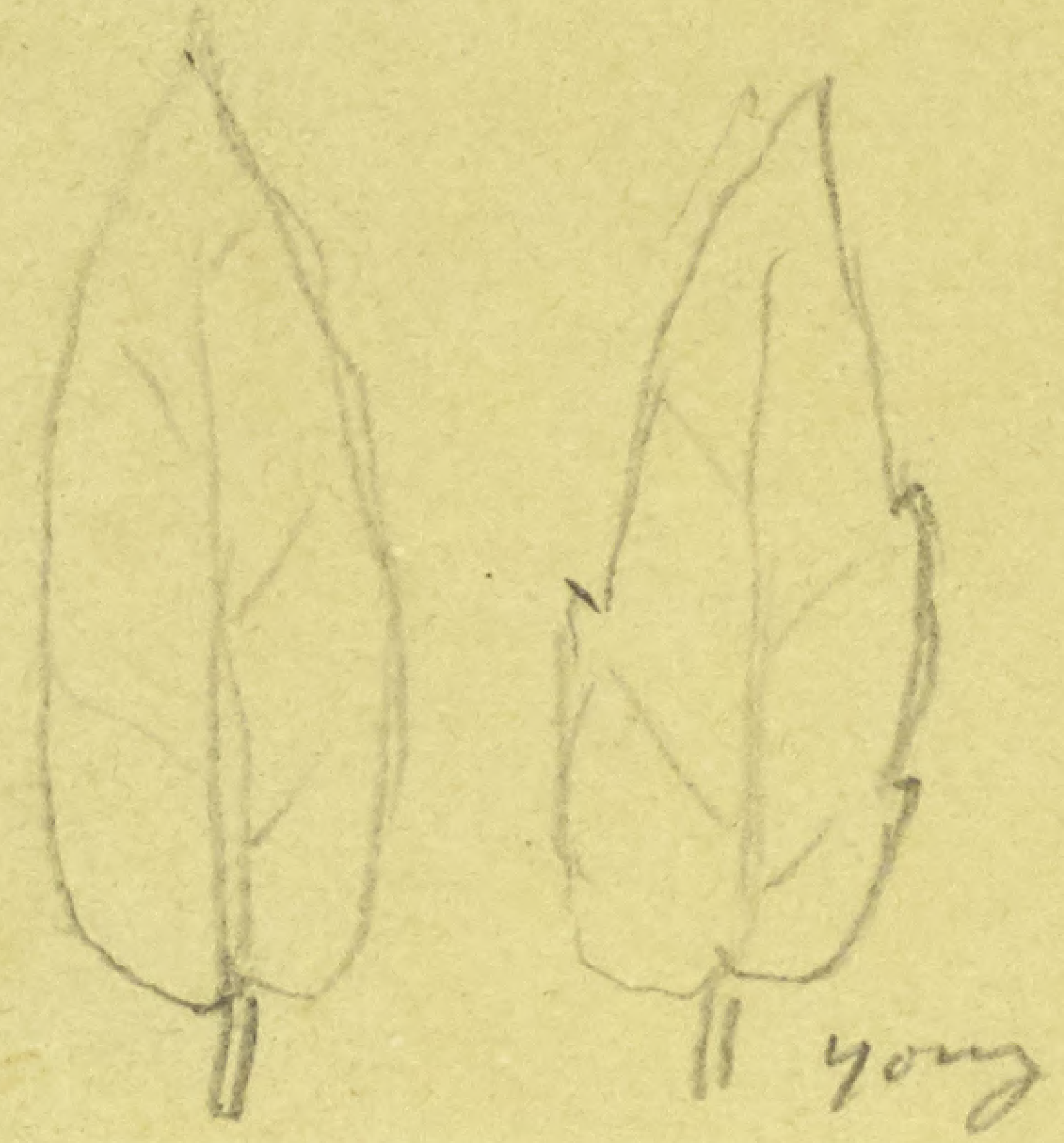
x10



white
tomentose



hair on lower
upper side of leaf x60
no articulate hair
on upper surface already
disappearing at flower time



no old leaves
on specimen

young leaves

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6086

Leitch & Corlies
DRUGGISTS
South West Corner Fifth
and Market Streets.

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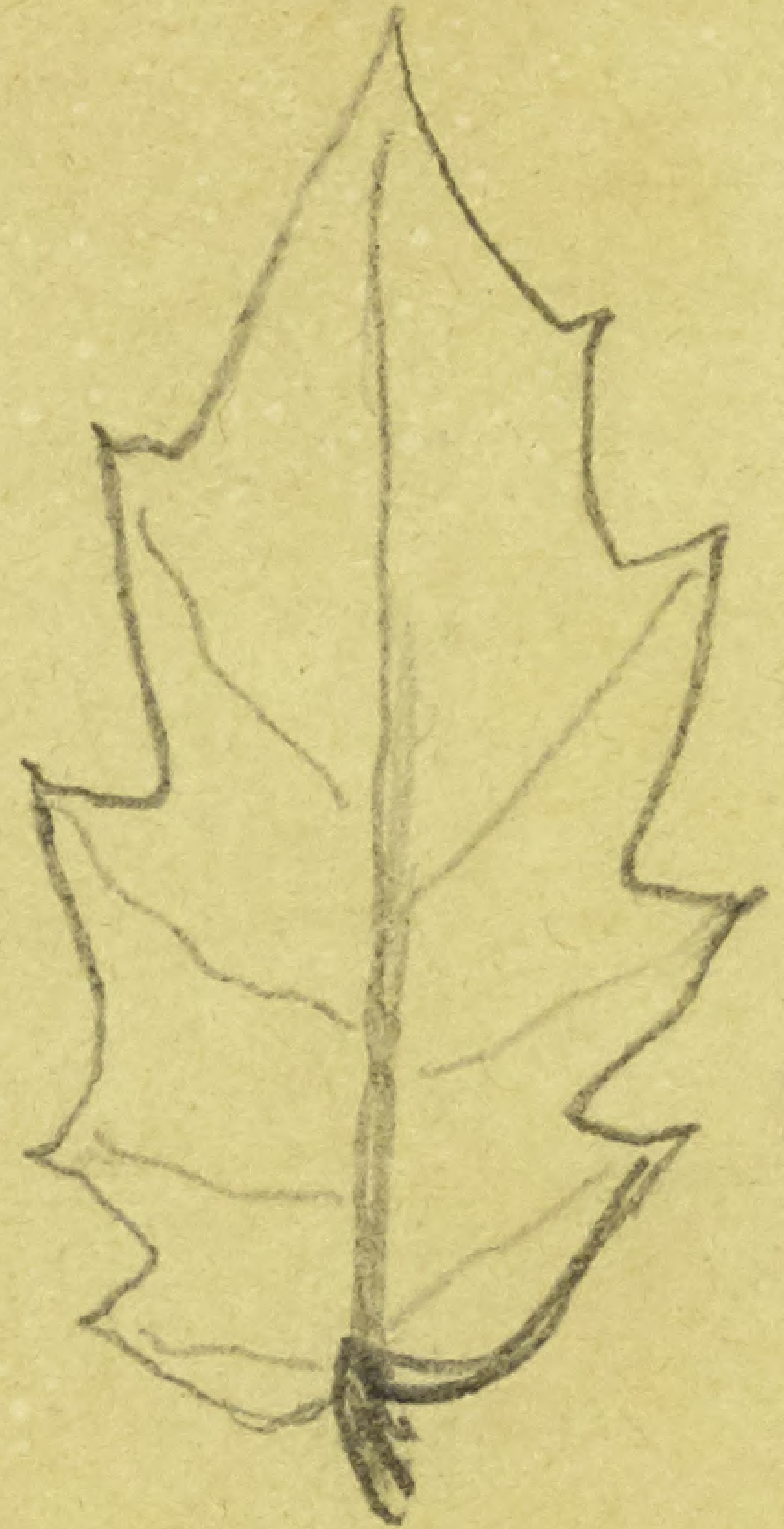
June 19 1876

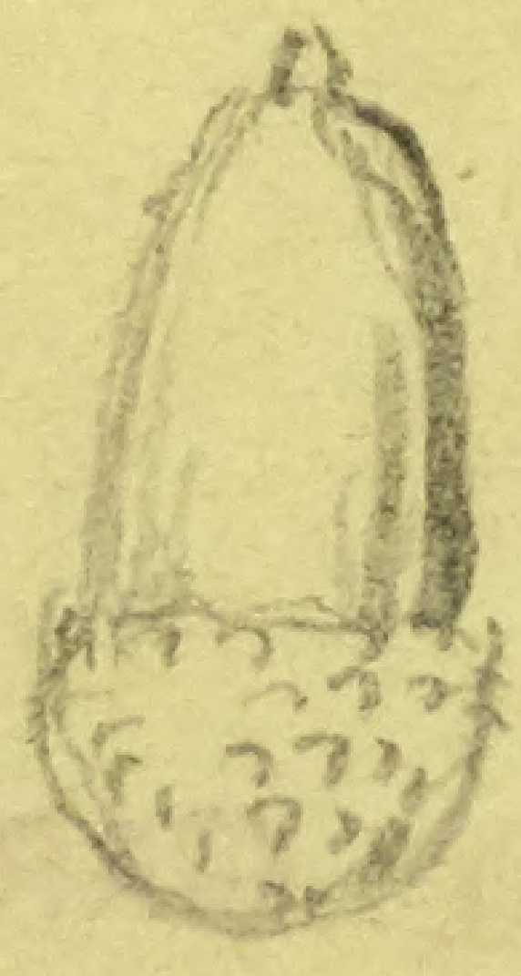
Quercus Emoryi

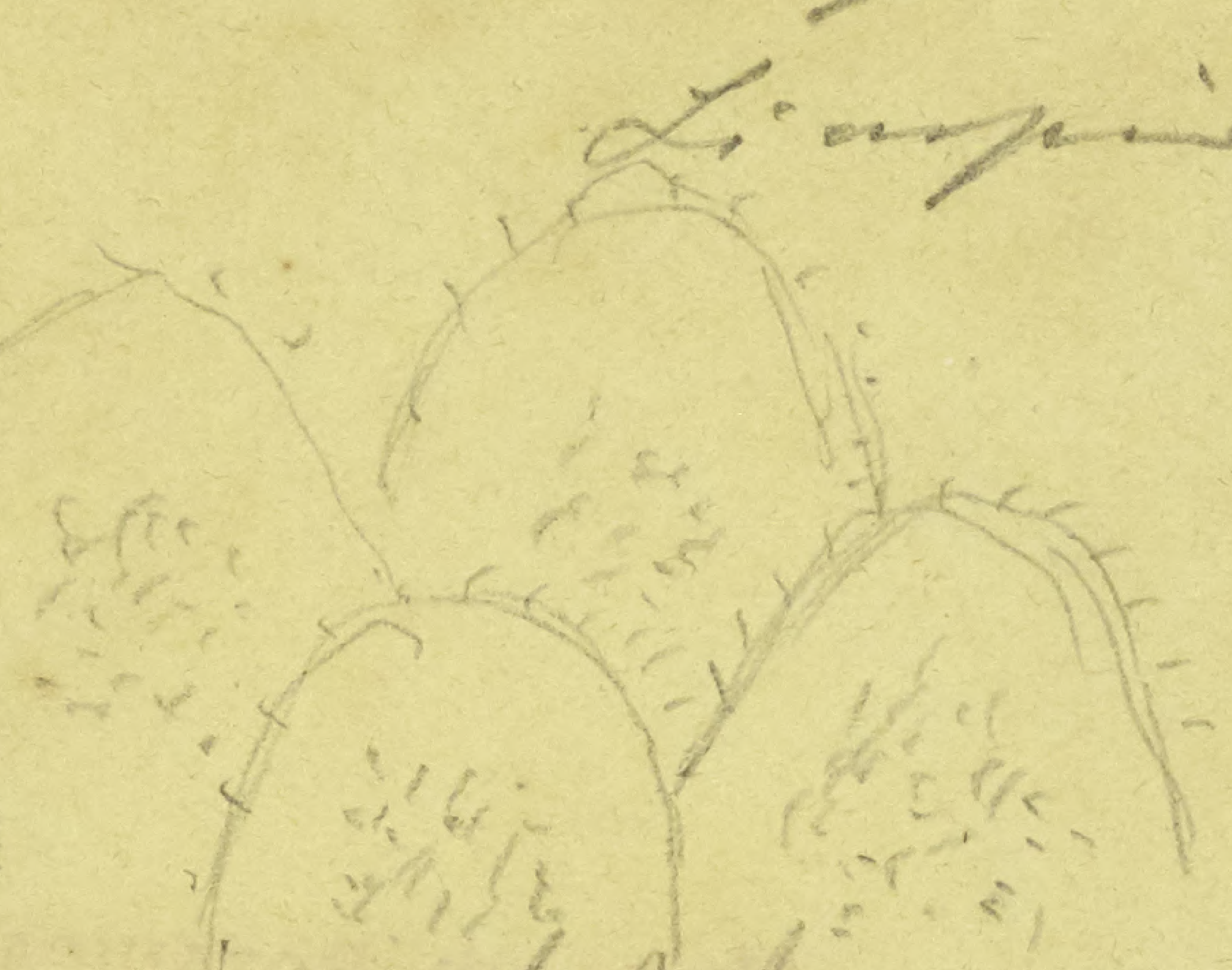
Limpia, west Texas

Bigelow leg 1851

tomentose
nut woolly inside

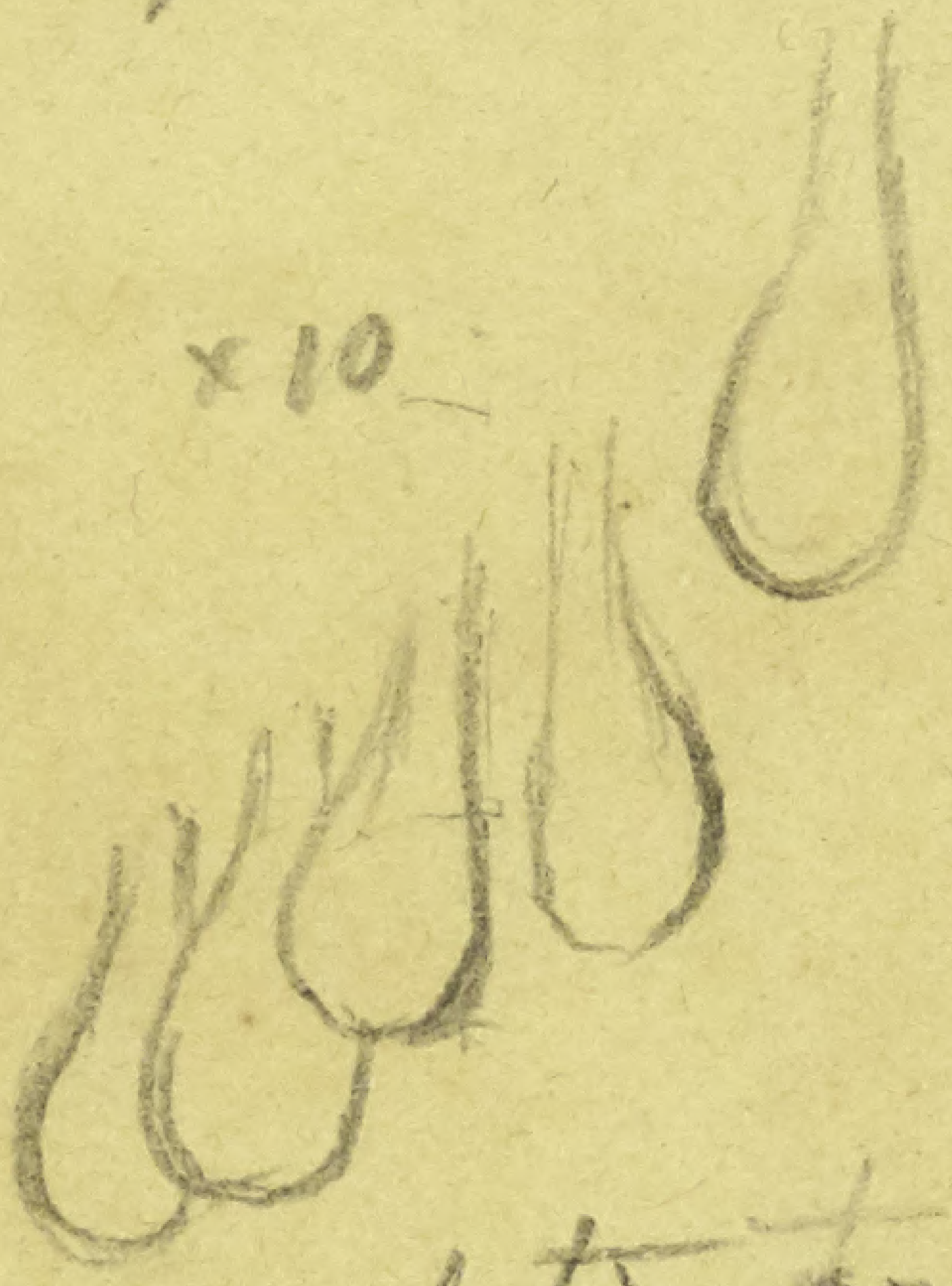






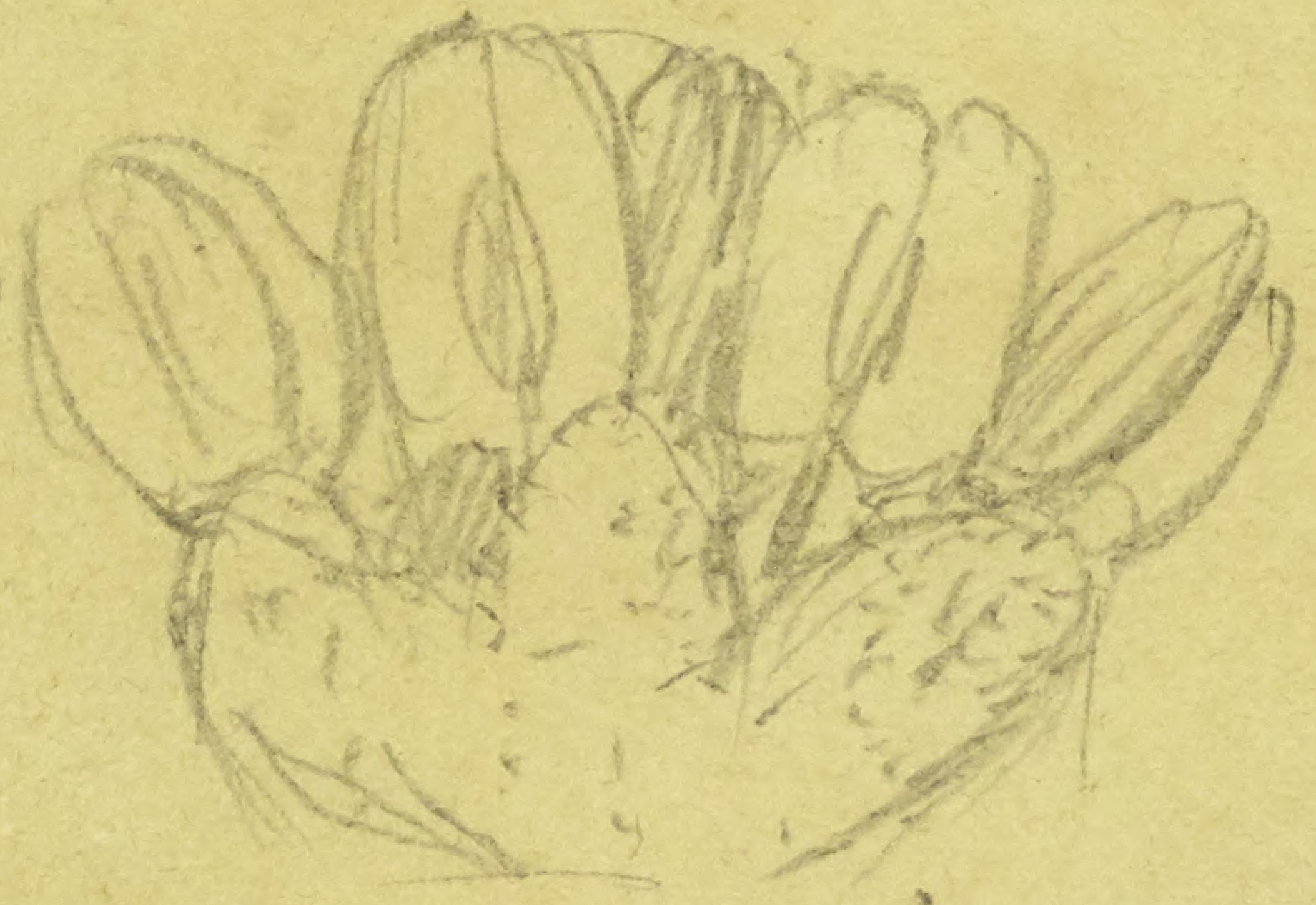
scales of cup x10
all flat

x10



5 abortive ovules
near base

x 10



3-5 stam
anthers 1.2 mm long

old ament adhering to specimen
calyx pubescent

6087

Leitch & Corlies

DRUGGISTS

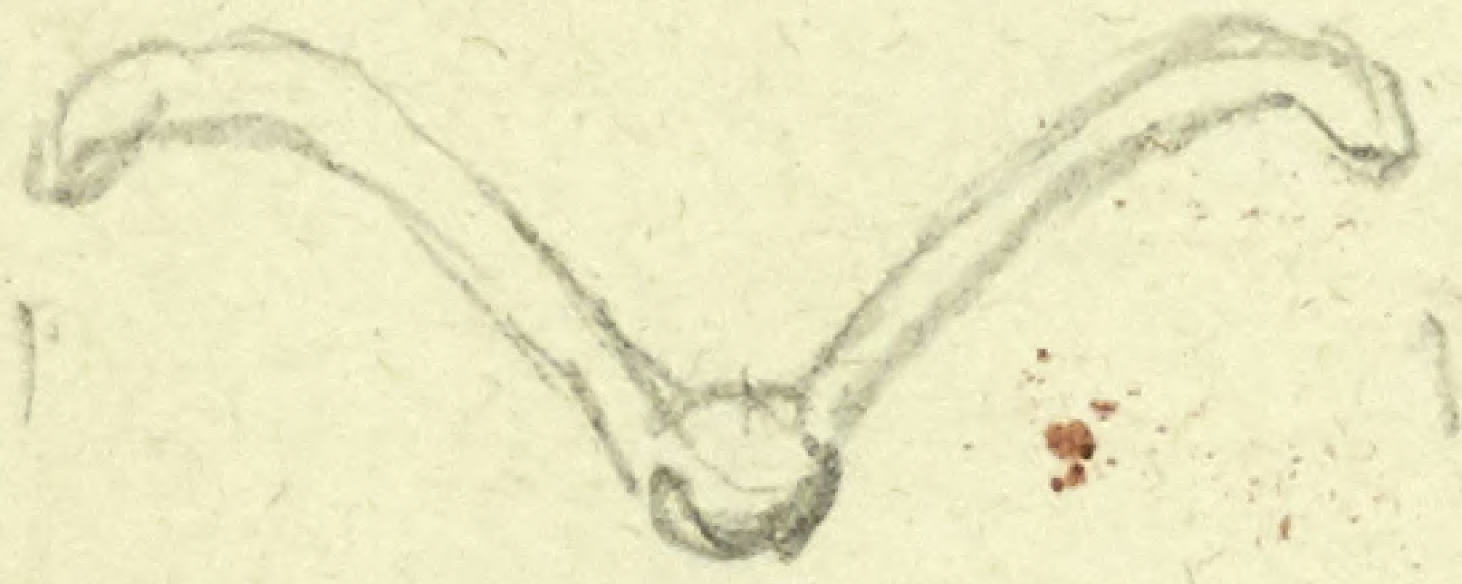
South West
Corner Fifth
and Market
Streets.

Q. agrifolia
Californ

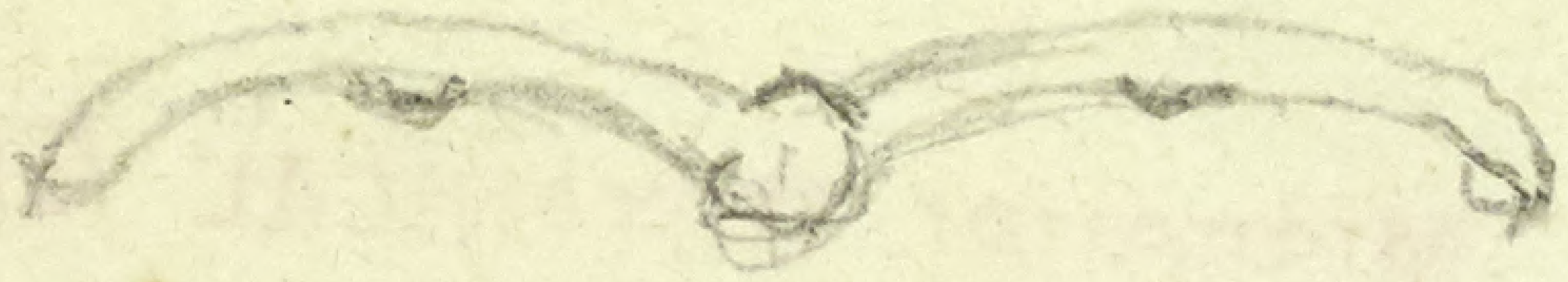
Apr 24 1876

Q. agrifolia, stellato-pubescens, microphylla

S. Californ
Dr J G Cooper

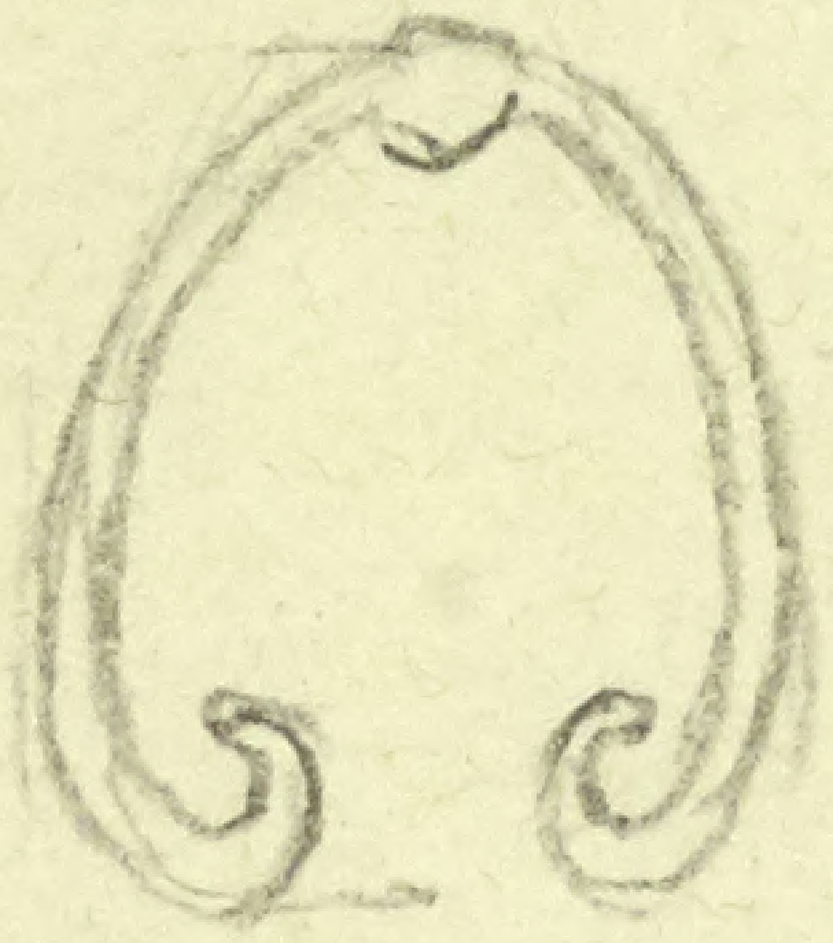


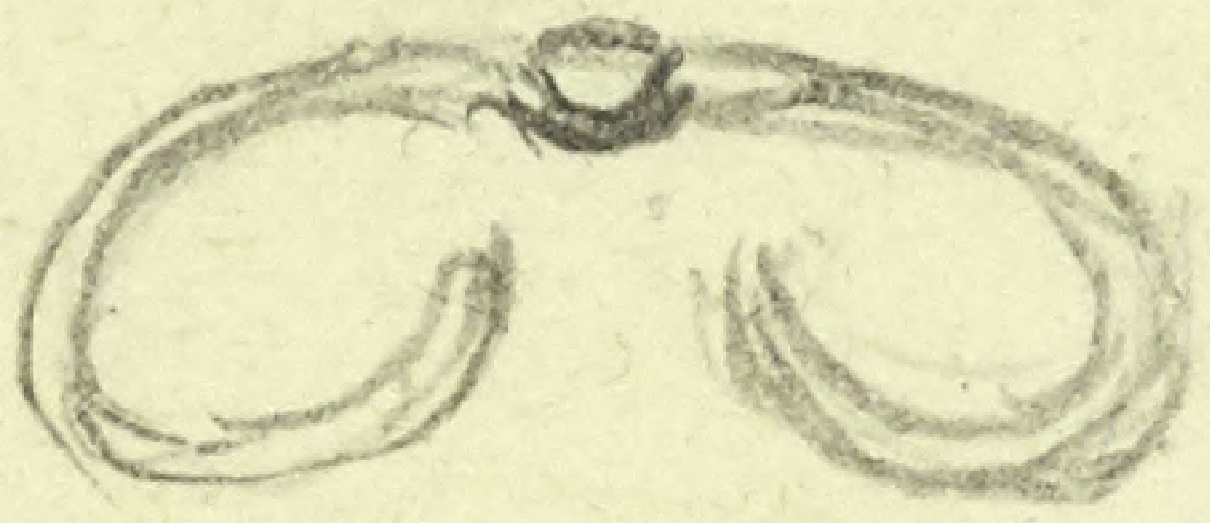
x10

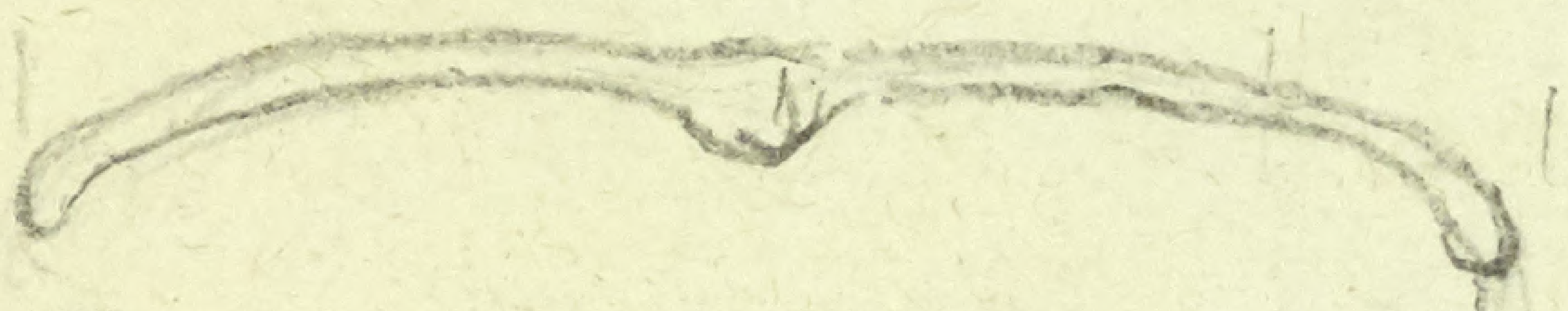


Q. agrifolia, ordinary form, soaked

x10





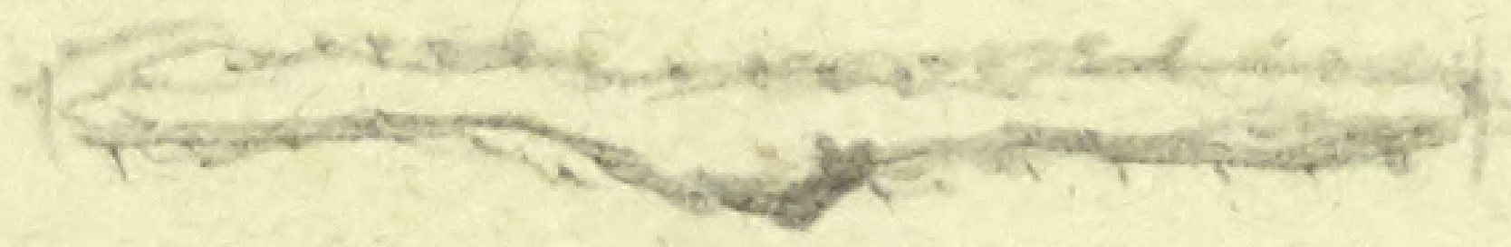


the smallest I could find — correct ?

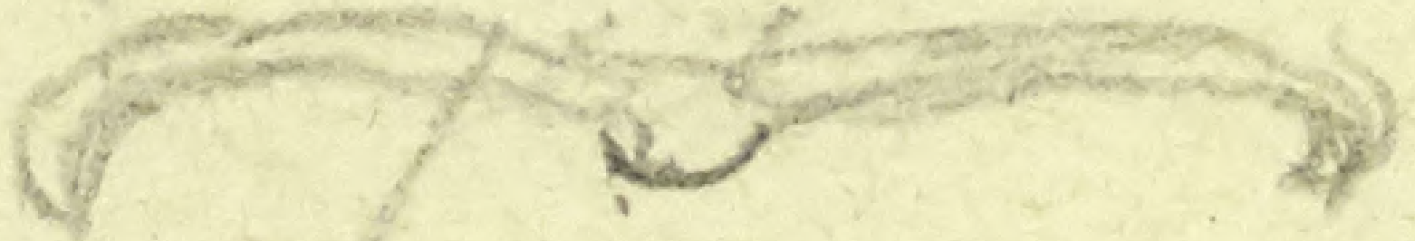
stellate hair on both sides, on upper quite deciduous
no glandular hair

San Diego fresh April 1876

x10

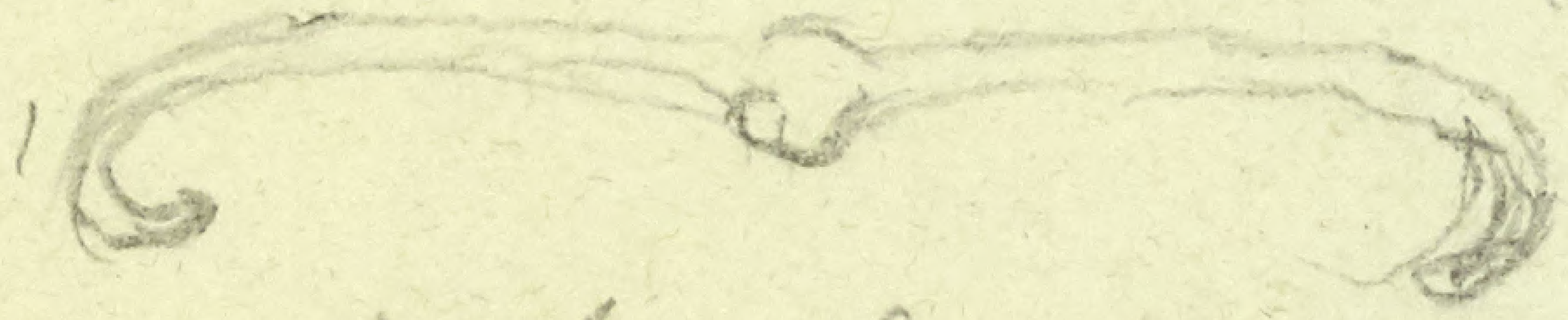


youngest leaves flat



or recurved

x10



a little older ones
curved or curled back

6088

ALEX. LEITCH,
APOTHECARY & PHARMACEUTIST,
Marble Building Cor. Fourth & Olive Sts. St. Louis, Mo.

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MISSOURI
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Creswell Colo. Aug. 18./77.

Dear Doctor;

My flowering specimens of Q. Emoryi when I cut them from the trees had plenty of old leaves on them; but they for the most part fell off before the drying process was at an end. It is so far from being deciduous that in N.M. it is commonly called "Live oak". The leaves all remain on, until the flowering season; which is April; or early May in some localities.

Sincerely Yours.

Edwd. L. Greene.

6089

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WRITE THE ADDRESS ON THIS SIDE—THE MESSAGE ON THE OTHER

Dr. Geo. Engelmann
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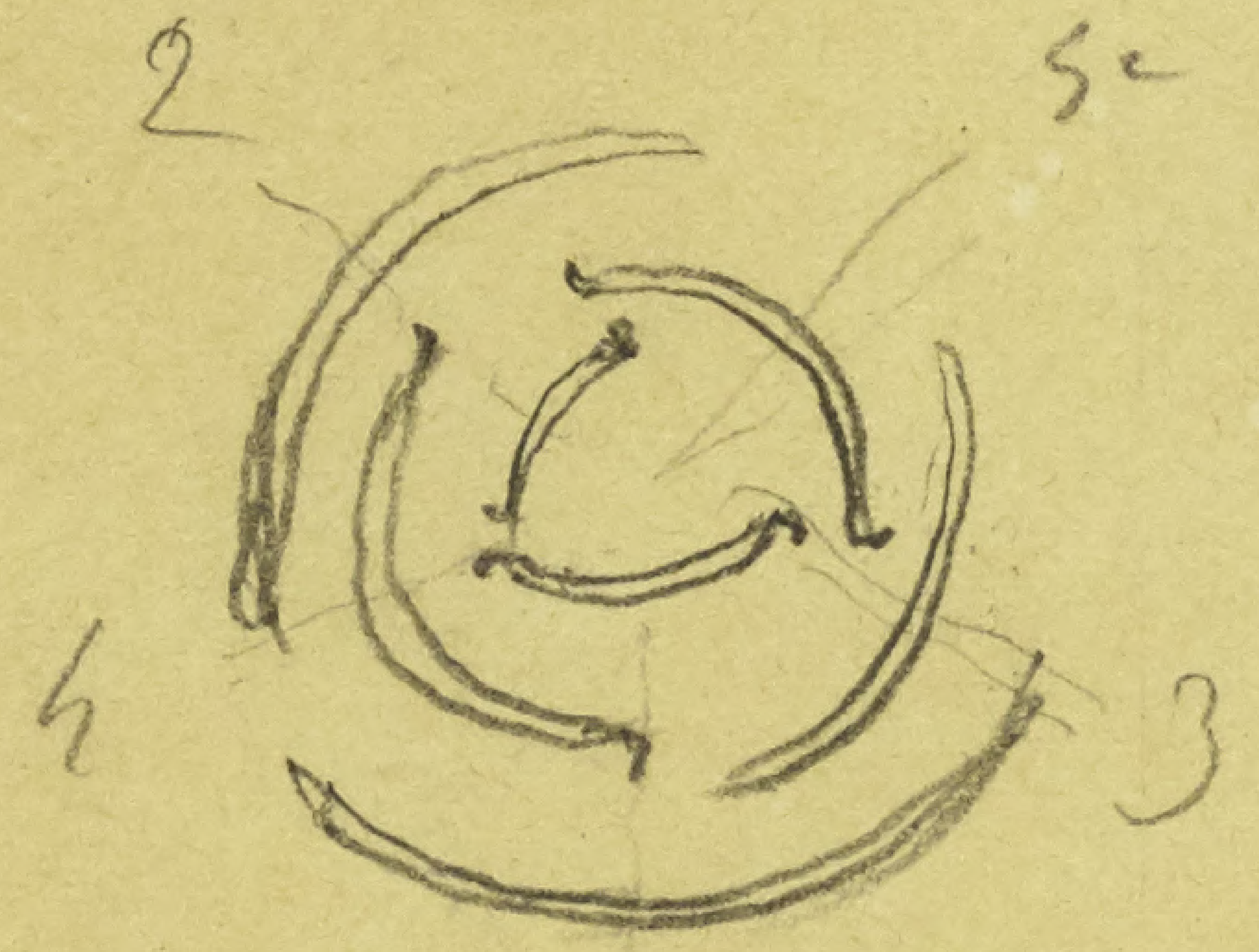
Q. Emoryi

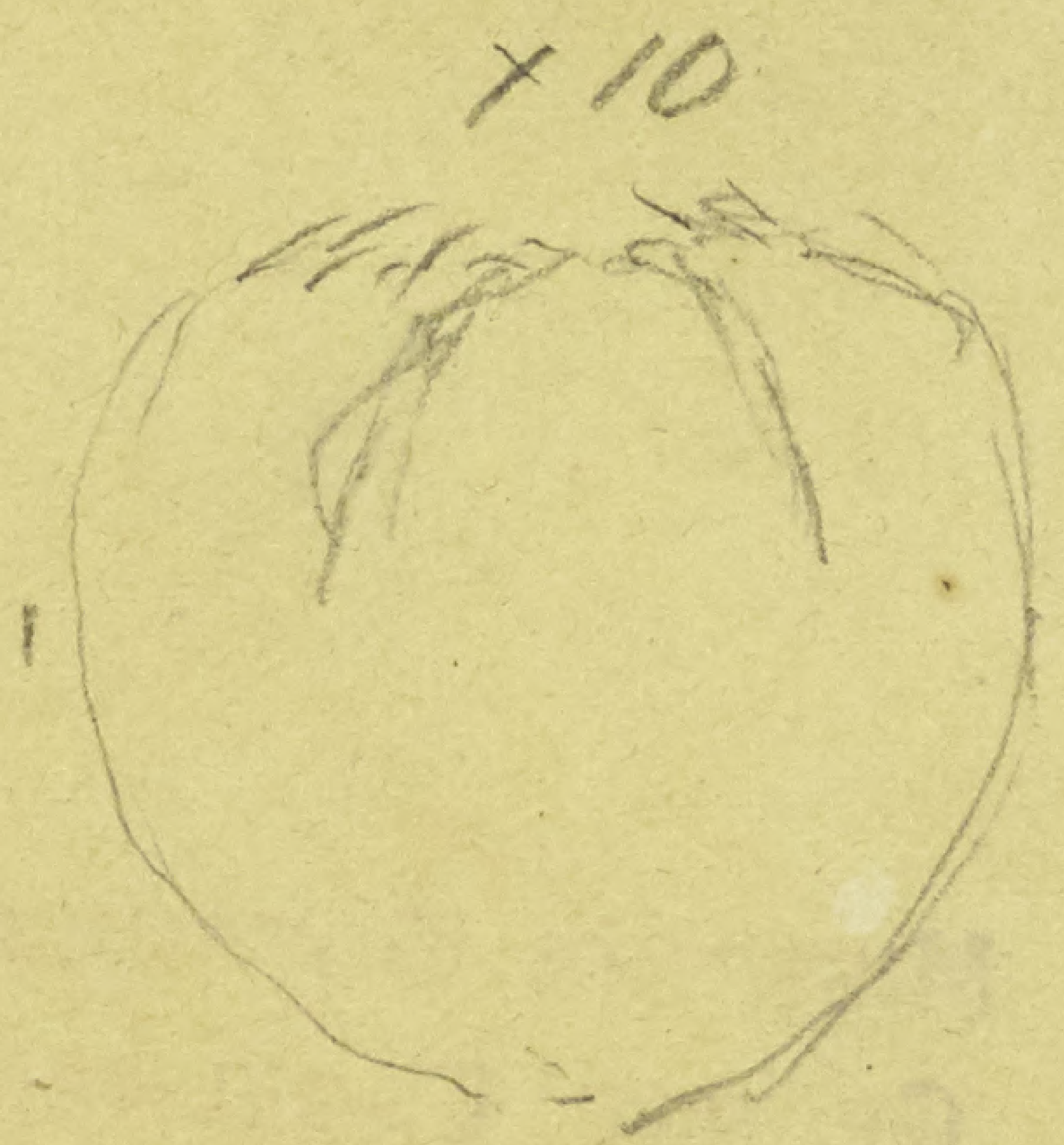
May 10 1877

Silver City SW New Mexico E L Greene April 77

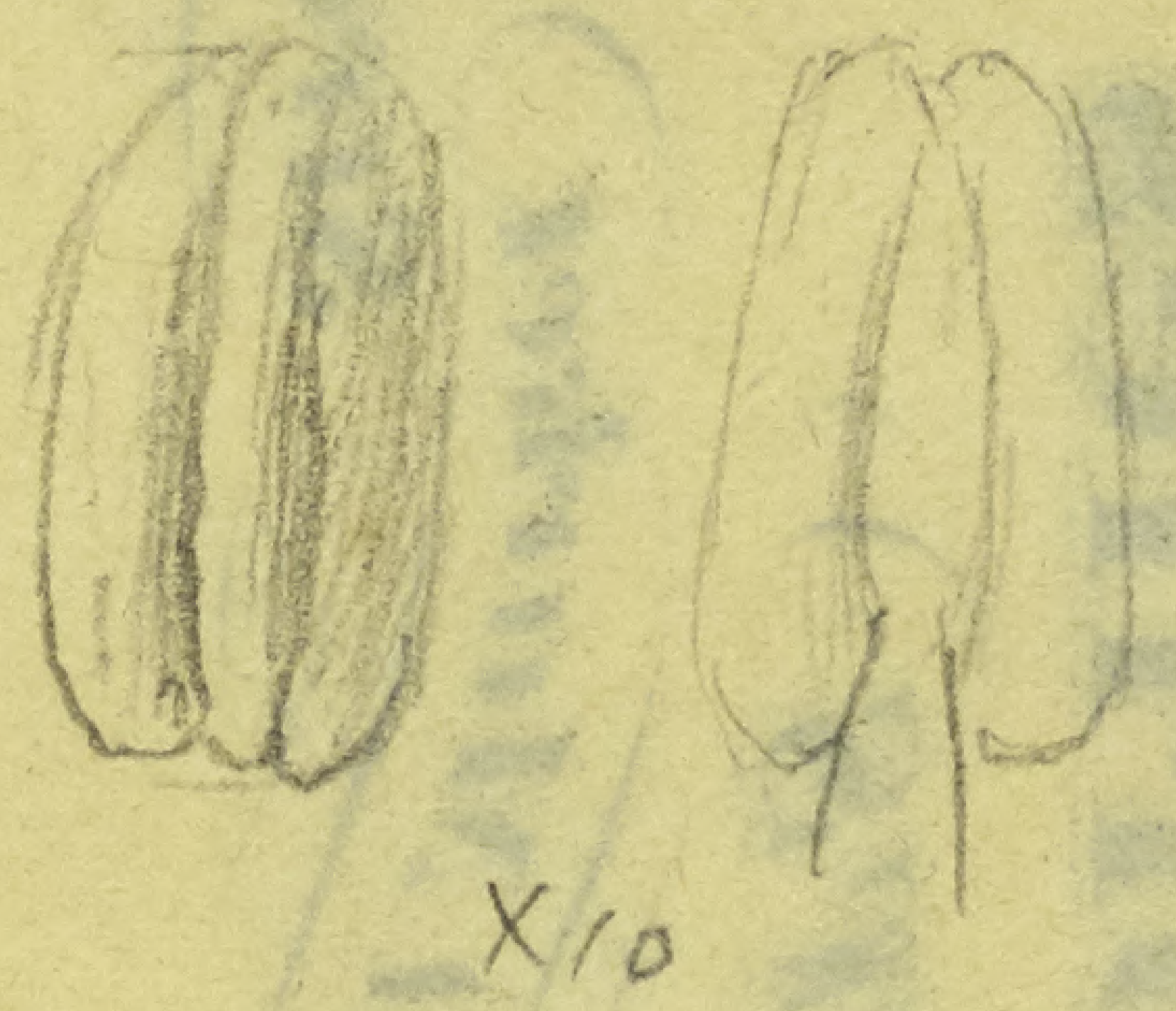


vernation

youngest leaves densely stellate pubescent both sides upper side at first red brown gray Innermost leaves slightly revolute on edges
no glandular pubescence
pubescence deciduous



calyx 4 lobed
smoothish, lobes
ciliate



4 or 5 anthers

6090

Leitch & Corlies
DRUGGISTS
South West Corner Fifth and Market Streets.

18/6 76

Q. Emoryi is a puzzle: annual fruit, but cup not knobby — not tomentose inside, styles rather long, patulous

ovules inferior

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16

6091

~~vicinity of its habitat, the pine barrens of the low country of South Carolina; this acute observer has aided me in the most liberal manner in studying this as well as other difficult oaks of that region~~

~~Q. pumila is called the "Running oak" because by the~~

Q. Emoryi at Silver City, N Mex often 2 feet diameter near base, and 30 feet high — never saw an oak with a blacker trunk, and with more decidedly black-oak wood. E L Greene

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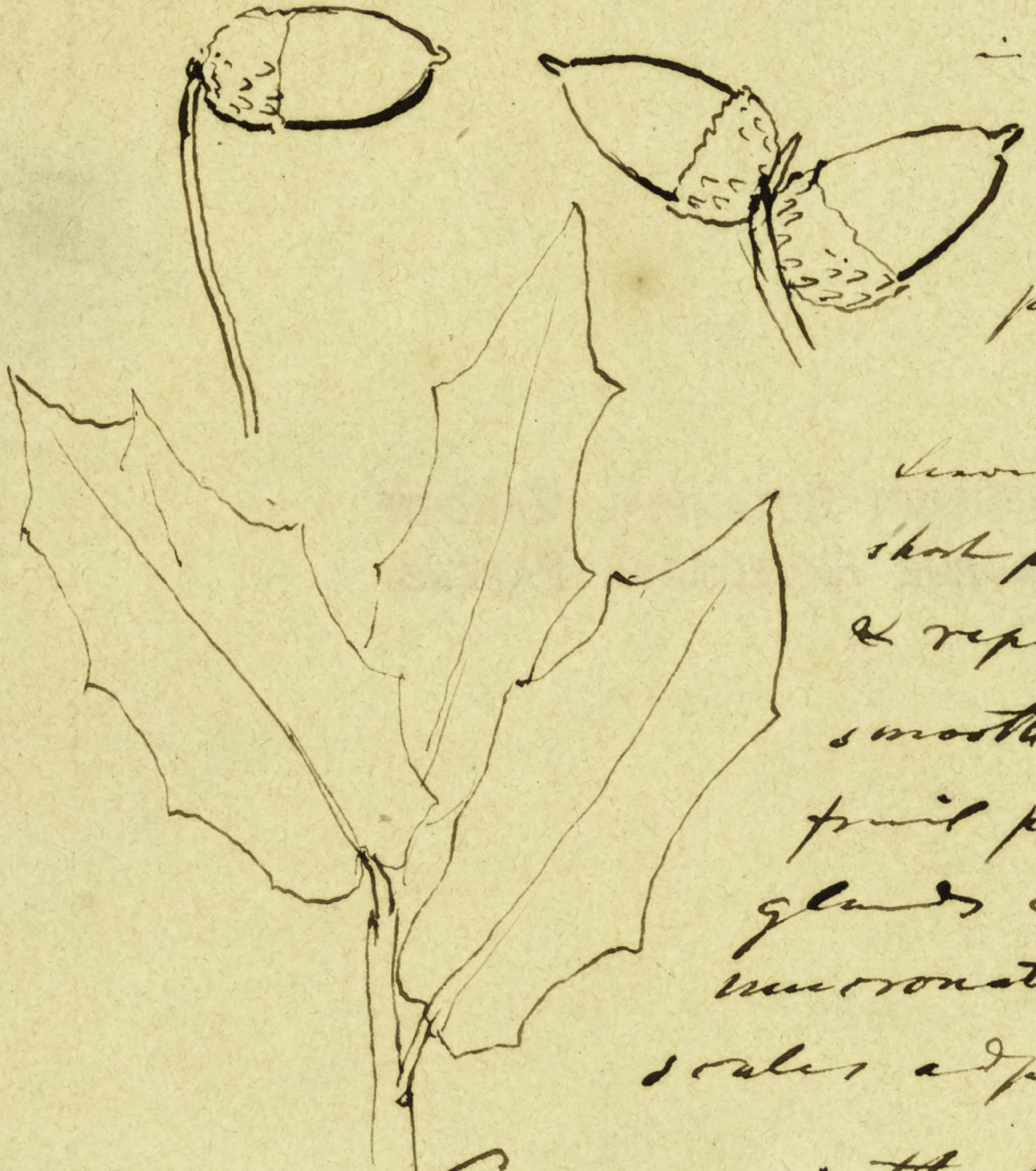
Quercus Emoryi Torrey

in Emory's notes on a
military Reconnoissance
Washington 1848
pag 151 tab 9



leaves coriaceous oblong
short petioled remotely
& repandly toothed, mucronate
smooth on both sides
fruit pedunculate, in pairs
glands ovoid-oblong
mucronate, cup hemispheric
scales adpressed

Common in the elevated country
between the Del Norte & Gila

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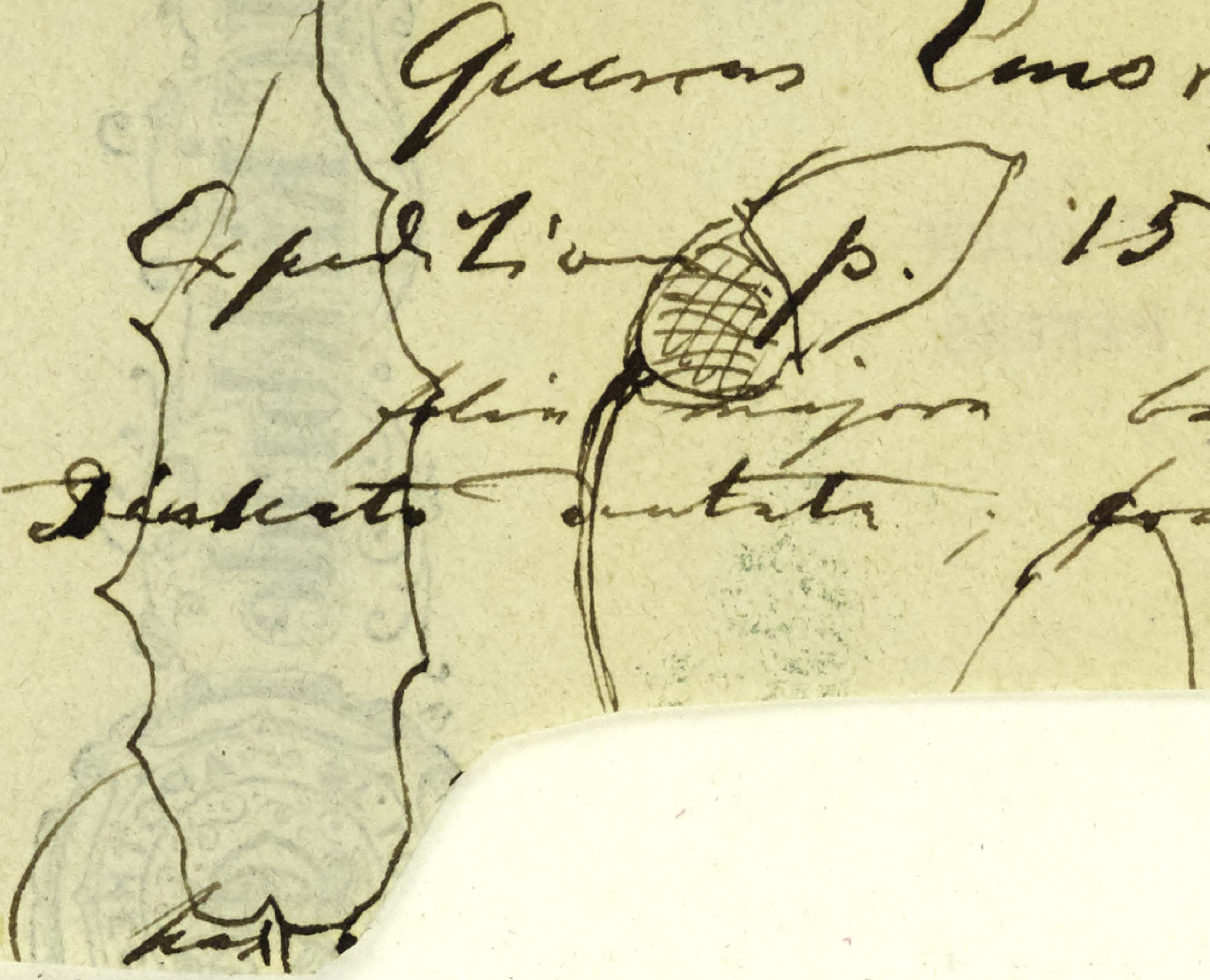

Quercus Emoryi Torrey in Emory's Expedition p. 151 tab. 9 1848

foliis majoribus basi cordatis, obtusis, spinuloso-[illegible] dentatis; fructus pedunculati.

„between the Del Norte & Gila"

6094

J.C. Kirkbride

ST. L APOTHEC

Prescribed by

G. EN

RESIDENCE,—N. W. Cor. Gar

Agricult. Dep.

299 Th. Bridges, Calif.

Q. agrifolia!

biennial fruit! old fruit?

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H Bolander 21 March 1866 writes

many Quercus agrifolia do not bloom
and thus retain the old leaves
those that do now bloom have
young leaves at the same time while
loosing the old ones

No tree in this neighborhood is
quite without leaves

Née 1802 gives Agrifolia from
Nut ka Sound !!

Dr. GEORGE ENGLEMAN,
N. W. Corner of Garrison Avenue and Locust Street.

No. ______ Date ______

R For

6096

PRESCRIPTIONS

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BY

COMPETENT PHARMACISTS

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